

## Malibu Beach, Dorchester: Bacterial Water Quality 2018

Bacteria monitoring is conducted by the Massachusetts Dept. of Conservation and Recreation (DCR) during the swimming season. Bacteria samples are collected at one location along the beach, and test results are available 24 hours later. High bacteria triggers a swimming advisory and repeated sampling until bacteria meet limits.

Displayed are *Enterococcus* bacteria counts, with high counts in red. The maximum daily limit is **104** counts/100 mL.

A swimming advisory is declared by the DCR for the following day if:

- *Enterococcus* counts exceed 104 counts/100 mL limit;
- OR if daily rainfall exceeds 0.25 inches;
- OR if the 5-day running geometric mean exceeds 35 counts/100 mL (geometric mean of the previous 5 days' samples).

Daily rainfall totals from Logan Airport, National Weather Service raingauge

All results are in counts/100 mL and testing is performed by DCR.

Swimming advisories will be issued due to either high *Enterococcus* counts or heavy rainfall.

**Weekly sampling by DCR began May 25, 2018; daily sampling began June 7, 2018. Sampling ended September 2, 2018.**

	Daily Rainfall (in.)	Bathhouse
May 25, 2018	0	4
May 31, 2018	0	<2
June 1, 2018	0.01	2
June 7, 2018	0	<2
June 8, 2018	Trace	4
June 9, 2018	0	2
June 10, 2018	0	<2
June 11, 2018	0	2
June 12, 2018	0	14
June 13, 2018	Trace	8
June 14, 2018	0	11
June 15, 2018	Trace	47
June 16, 2018	0	2
June 17, 2018	0	7
June 18, 2018	0.13	10
June 19, 2018	0.01	1050
June 20, 2018	0	20
June 21, 2018	0	<2
June 22, 2018	0	4
June 23, 2018	Trace	31
June 24, 2018	0.26	<10
June 25, 2018	0.33	41
June 26, 2018	0	<10
June 27, 2018	0.09	10
June 28, 2018	1.16	2
June 29, 2018	0	10
June 30, 2018	0	20
July 1, 2018	0	226
July 2, 2018	0	<10
July 3, 2018	0.01	<10
July 4, 2018	0	10
July 5, 2018	0	3
July 6, 2018	0.35	10
July 7, 2018	0	20
July 8, 2018	0	52
July 9, 2018	0	10
July 10, 2018	Trace	10
July 11, 2018	0.19	218
July 12, 2018	0	14
July 13, 2018	0	10
July 14, 2018	0.31	12
July 15, 2018	0.01	8
July 16, 2018	0	<10
July 17, 2018	2.68	74
July 18, 2018	0.06	1110
July 19, 2018	0	22
July 20, 2018	0	25
July 21, 2018	0	10
July 22, 2018	0.17	20
July 23, 2018	0.03	<10
July 24, 2018	0	20
July 25, 2018	0.14	<10
July 26, 2018	0.6	2
July 27, 2018	0	23
July 28, 2018	0	10
July 29, 2018	0	<10
July 30, 2018	0	10
July 31, 2018	0	10
August 1, 2018	Trace	10
August 2, 2018	Trace	2
August 3, 2018	0.06	4
August 4, 2018	0.64	10
August 5, 2018	0	41
August 6, 2018	0	10
August 7, 2018	0	10
August 8, 2018	0.98	31
August 9, 2018	0.06	81
August 10, 2018	0	33
August 11, 2018	0.39	121
August 12, 2018	1.38	176
August 13, 2018	0.29	156
August 14, 2018	0.01	75
August 15, 2018	0	52
August 16, 2018	0	108
August 17, 2018	0.2	13
August 18, 2018	0.13	41
August 19, 2018	0.01	31
August 20, 2018	0	20
August 21, 2018	0	20
August 22, 2018	0.5	<10
August 23, 2018	Trace	7
August 24, 2018	0	2
August 25, 2018	0	20
August 26, 2018	0	<10
August 27, 2018	0	<10
August 28, 2018	0	<10
August 29, 2018	0	10